



Protecting Endangered Species from Pesticides

A Presentation for Pesticide Users


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EPA's ESPP Program

- EPA anticipates assessing about 44 active ingredients each year
- There are about 19,000 registered pesticide products, each containing one or more active ingredients (more than 1,000 active ingredients are registered)
 - Each product is registered for one to many different uses, each with different use instructions and for use on different sites
 - EPA must review each use pattern of each product, to determine if that use may have an effect on each of the 1,200 species listed as either endangered or threatened in the United States.


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EPA's ESPP Program

- All pesticides and their use patterns are subject to EPA's new ESPP Program
 - No pesticides are exempt from the requirements
 - Pesticides granted for use under Emergency Exemptions and Special Local Needs are also subject to the Program
 - No use patterns are exempt from the requirements
 - Agricultural and non agricultural (e.g., rights-of-way, structural, ornamental, turf)
 - Users include commercial and agricultural applicators, and homeowners
 - However, EPA has determined that uses of products that are used solely indoors and that remain indoors, have no effect on listed species

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EPA's ESPP Program

- If EPA determines that limiting a pesticide's use in an area is necessary to protect a species:
 - A generic statement will appear on the pesticide product label
 - You will be referred to EPA's Web site to obtain a Bulletin on the pesticide
 - Any limits on use will be shown in the Bulletin.
 - The label statement will direct you to check EPA's web site six months (no sooner) before using the product to determine if there are areas where you cannot use the product. (Note: You also do not want to wait days before you are going to use the product before you check with – you risk purchasing a product you cannot use in certain areas!)

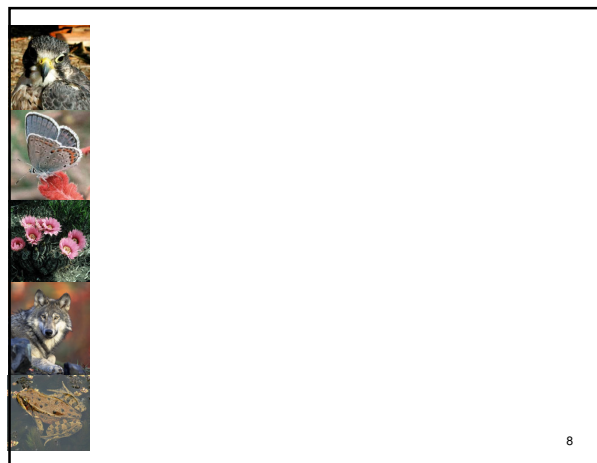
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EPA's ESPP Program

Sample Generic Label Statement

"This product may have effects on endangered species. When using this product, you must follow the measures contained in the Endangered Species Protection Bulletin for the area in which you are applying the product. To obtain Bulletins, consult www.epa.gov/esp, or call 1-800-447-3813 **no sooner than six months** before using this product. You must use the Bulletin valid for **the month and year** in which you will apply the product."

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You can select a month of pesticide use, up to 6 months in advance



Directions: Select a pesticide application month from the drop-down menu and then click "Go!". Note: Bulletins Live! will allow you to access a Bulletin up to six months from the current month. If you plan to apply your pesticide more than six months in the future, please check back within six months of your intended application month.

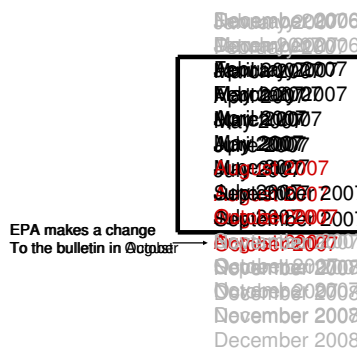
Application Date:

- December 2006
- January 2007
- February 2007
- March 2007**
- April 2007
- May 2007
- June 2007

EPA Home
ESPP Home
B-Live! Home
Contact Us

Protecting Endangered Species

If you click February 2007, you can select any month of application up to October 2007



When Will New Labels Appear On Currently Registered Pesticide Products?

- EPA is currently reviewing the following pesticides to determine their effects on 1,200 species:
 - Aldicarb
 - Carbofuran
 - 9 rodenticides
- EPA cannot predict a date when a pesticide product label will reference a Bulletin – depends on when a pesticide is reviewed by EPA and the outcome of the assessment
- EPA has published a schedule for those pesticides for which Registration Review will begin within the next 4 years.

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Why You Should Comply

- Protect Endangered Species
- Ensure the availability and continued use of products
- Avoid possible penalties under the law. It is against the law if you do not follow pesticide use limitations in Bulletins.
 - Bulletins = pesticide product labels = law
 - Bulletins become enforceable when referenced on a pesticide product label
 - EPA Regions, states, and tribes will enforce Bulletins as labeling under misuse provisions of the Federal Insecticide, Fungicide, and Rodenticide Act
- Decrease other possible penalties by the Fish and Wildlife Services or the National Marine and Fisheries Service for "incidental take"
 - FWS and NMFS are responsible for protecting endangered species under the Endangered Species Act

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How To Comply

- ❑ Read the label of the product you intend to use:
 - If the label refers you to an Endangered Species Protection Bulletin, go to EPA's Bulletins Live!* Web site and find out if there is a Bulletin containing use limitations for the county and month and year you plan to use the pesticide


*Access Bulletins at: www.epa.gov/espp
(expected to be online in January 2007)





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How To Comply

- Take the Bulletins Live! online tutorial first, then follow the instructions for accessing Bulletins



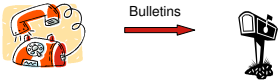
- EPA suggests that you print and keep with your records a copy of the Bulletin(s) applicable to the product(s) you plan to use
- Follow the use limitations in the Bulletin when applying the pesticide




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How To Comply

- *Don't have access to the Internet?* Dial 1-800-447-3813 and request that EPA mail you the Bulletin





- *Note: Toll-free number is for requesting Bulletins only. It is not an information hotline and should be used only if you cannot access Bulletins on the Internet.*



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How to Determine If There Is A Bulletin for the Pesticide You Plan To Use:

A Tutorial of EPA's Bulletins Live! Web Site

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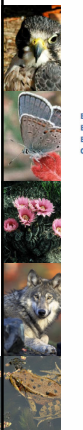
EPA's Bulletins Live! Home Page (www.epa.gov/espp)



Click on the map or use the pull-down menu to select the State and County in which you intend to apply the pesticide.

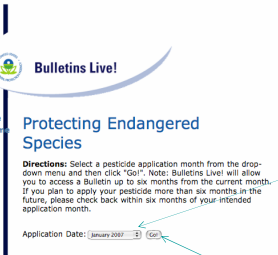
Then click "Go"

Directions: To access your Endangered Species Protection Bulletin, either use the drop-down menu to select your state and county OR use the map to select the state you wish to view.



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EPA's Bulletins Live! Home Page (www.epa.gov/espp)



From the drop-down menu, select the month in which you intend to apply the pesticide.

Then click "Go"

Directions: Select a pesticide application month from the drop-down menu and then click "Go". Note: Bulletins Live! will allow you to access a Bulletin up to six months from the current month. If you plan to apply your pesticide more than six months in the future, please check back within six months of your intended application month.



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Bulletins Live!

Valid from: FEB 2006

Note: Bulletins are enforceable as part of pesticide labeling and state law may require that you have a copy of the Bulletin applicable to your pesticide use in your possession. While not a filing requirement, EPA recommends that you print the Bulletin for your records. To print an official copy of this Bulletin, use the print button located below.

The explanation of EPA printing recommendations and "Print" button

The valid month and year for all Bulletins is located on the top of the page in red type

Endangered Species Protection Bulletin for Cherokee County, Alabama

1 On the county map, areas where pesticide use must be limited are identified by colors or patterns. Each color or pattern corresponds to a species reading protection. Find the specific colors or patterns on the map that cover or are close to the area where you intend to apply pesticides. The Species Protection Key will further identify the species and areas of concern represented by these colors and patterns.

Step 1 - look at the county map, read the explanation and species key to determine what pesticide limitation areas exist in the county. If you are applying a pesticide within the limitation area, proceed to Step 2.

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Pesticide Use Limitation Areas (PULAs)

Inset maps exist for areas that are small or complex. To view, click on the area of interest.

Endangered Species Protection Bulletin for Cherokee County, Alabama

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The Species Protection Key identifies the species being protected and defines the limitation areas on the county map.

Species Protection Key

pitcher-plant, Green-Sarracenia oreophila
 Within the patterned area shown on the map, pesticide use limitations only apply in and around the species habitat. The habitat consists of moist, grassy openings that are found in mature woodlands and beside shade-bedded streams.

leather flower, Alabama-Clematis socialis
 Within the shaded area shown on the map, pesticide use limitations only apply in and around the species habitat. The habitat consists of seepy meadows and wet pastures.

button, Mohr's Barbara-Neottia mohrii
 Within the patterned area shown on the map, pesticide use limitations only apply in and around the species habitat. The habitat consists of moist, grassy openings found in the following areas: pastures, along cleared rights-of-way (such as highways, gas pipelines, and power lines), and in hardwood bottoms adjacent to cleared rights-of-way.

Click on the species name to view a fact sheet containing information about the species.

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In Steps 2 and 3, compare the active ingredient listed on the pesticide label of your product with the Bulletin table. If the active ingredient is listed on the table, check which species have an associated Limitation Code. Note all the species affected and the associated code number.

2 Look at the table of Pesticide Active Ingredients. This column lists the active ingredients in a pesticide for which there are use limitations to protect certain species. Locate the active ingredients in this column you intend to apply pesticides in this area.

3 Look in the Pesticide Limitation Code column to the right of your active ingredients. Locate the colors or patterns that match what you see on the map. Do not intend to apply pesticides. These codes indicate the specific limitations necessary to protect the species.

Pesticide Active Ingredients	pitcher-plant, Green	leather flower, Alabama	button, Mohr's Barbara
2,4-D (all forms)	29		
Azinphos	29	29	
Azinphosulfuric acid	29	29	29
Azinphos	29	29	29
Carbaryl	29	29	29
Chlorpyrifos	29	29	29
Diazinon	29	29	29
Diazinon (all forms)	29	29	29
Diazinon	29	29	29
Diazinon (2, 4-DP)	29	29	29
DMPP	29	29	29
Draculol	14b		14b
Fluorfenox	29b	29	29b
Fluorfenox-Ammonium	29	29	29
Glyphosate	29	29	29
Hexachlorocyclopentadiene	29	29	29
MSA (all forms)	29	29	29
Ortho-Terbufos	29	29	29
Permethrin (all forms)	29	29	29
Simazine	29	29	29
Tebuconazole	29b		29b

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Step 4 - Look here for the codes you identified in Steps 2 and 3 and follow the limitations for those codes.

4 The limitations that apply to each code are described in Codes and Limitations. When using the pesticide, follow the limitations indicated by those codes. If you are applying a pesticide that contains more than one listed active ingredient, or applying a listed active ingredient in an area with more than one species (color and pattern overlap on the map), then multiple codes may apply. If so, follow the most restrictive limitation.

Codes and Limitations

14b Do not apply this pesticide in the species habitat (described under the Species Protection Key), nor within 100 feet of the habitat.

29b Do not apply directly to water within the indicated area, including streams at the boundary of the indicated area.

29 Do not apply this pesticide in the species habitat (described in the Species Protection Key). For ground applications do not apply within 20 yards of the habitat, or within 100 yards for aerial applications.

29b Within the area described in the Species Protection Key, do not apply this pesticide above the indicated threshold application rate (TAB) within 40 yards from the edge of water for ground applications, or within 200 yards for aerial applications.

30a Do not apply this pesticide in the species habitat (described in the Species Protection Key), nor within 1/4 mile of the habitat.

Note: If more than one code applies, follow the most restrictive code!

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For those counties with no current limitations, the Bulletin contains a statement under the title and county name.

Endangered Species Protection Bulletin for Banks County, Georgia

There are no pesticide use limitations in place for the county and month you selected. Second what is indicated on your pesticide label. Follow the use restrictions on your label. Please check back if you plan to apply pesticides in a month other than the one for which this Bulletin is valid.

EPA recommends that you print or save a copy of your Bulletin when you apply pesticides. Remember to use one of the print buttons located at the top or bottom of the Bulletin page to print the official copy of the Endangered Species Protection Bulletin.

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